A.N.A.R.T.S. News Bulletin 1410 for 20th of August 2006

ANARTS now has a web site at www.anarts.com.au

where information about the society can be found, as well as

the weekly broadcast texts.

Views expressed in this news bulletin are not necessarily

those of the Broadcast Officer, the Relay Officers, or of

the Society.

Items in this broadcast include

1. Cols column

2. IPS REPORT

3. VK2SG RTTY DX report

4. OPDX News

5. Anarts Information

Col's Column

Propagation of Radio Waves.

Factors affecting Propagation of Radio Waves.

Radio Noise.

Radio noise is generated by two sources. Nature and Man.

The most common sources of natural Radio noise are local thunderstorms,

precipitation static and atmospheric noise. The last source mentioned,

atmospheric noise, is primarily due to the combined effect of all the

thunderstorms occurring at any given moment throughout the World.

Atmospheric noise is by far the most troublesome of the natural noise.

At low frequencies where ground wave transmissions previal during the

daytime, local thunderstorms and precipitation are the primary cause of

natural noise. At night when the sky wave predominates, atmospheric

noise is added and may be so great as to constitue an
almost constant

source of interference.

Atmospheric noise is also the most important source of
noise in the

2-30 Mhz range and in general exhibits the following
characteristics.

The noise levels are greater at low latitudes than at
higher latitudes.

They are higher in the vicinity of land masses than over
the ocean.

cqcq de vk2tty vk2tty

They are higher during the night than during the day,
with a tendency

to increase with an increase of frequency during the day
and decrease

with a decrease of frequency during the night, and in
temperate zones,

they are higher in summer than in winter.

The effects of natural noise on frequencies in the VHF
band is rela

-tively small, since at these frequencies, the waves are
propagated

only moderate distances, resulting in a low level of
atmospherice noise.

Such noise as is present is usally due to local
thunderstorms and

precipitation static, and in some areas, and on some
occassions can be

fairly severe.

Man made radio noise disturbs reception throughout the
radio frequency

spectrum. It is caused at relatively short distances by
non radio

equipment operating at radio frequency, such as Xray
machines, etc,

and by any type of electrical equipment in which sparks
occur.

Sources of man made noise are particularly numerous in
industrial

areas, cities and towns, resulting in higher noise levels

in these

areas than in rural areas.

When the receiving point is close to the sosurce of the noise, man made

noise is troublesome on all frequencies. However, at considerable

distance from the source of the disturbance, it is in general of little

importance below about 10 Mhz because of the larger effect of natural

noise. Above 10 Mhz, the short distance effect of ignition systems and

other sources of spark radiation have to be taken into account. As the

frequeny is increased, these effects again become negilible, although

at 100 Mhz or so, noise of this nature can still be troublesome.

Next week we look at Ionospheric Irregularities, starting with Ionospheric

Storms.

73's for now Col VK2CTD.

IPS Weekly Solar and Geophysical Report
11/17th Aug

SUMMARY

Date 11 12 13
14 15 16 17

10cm flux 84 85 86
86 86 86 86

AFr index 3 4
2 2 2
2 4 est

Aaus index 4 6
2 2 2
2 4 est

T index 12
16 7 14
6 11 16

Solar flare activity was very low 12/15th low 11th 16/17th.

Geomagnetic activity observed for the Australian Region was quiet to

unsettled on 12th and quiet otherwise.

Southern Australian Ionospheric F2 critical frequencies
were near predicted

on 11th near predicted to 30 percent enhanced on 12th
mostly near predicted

on 13th near predicted to 15 percent enhanced on 14/15th
depressed 15

percent to 15 percent enhanced on 16th and near predicted
to 20 percent

enhanced on 17th.

Forecast for 18/24th Aug

Solar activity should be very low to low.

Geomagnetic activity should see active to minor storm on
19th and mostly quiet

to unsettled on most other days.

Frequencies should see minor to significant depressions
possible on 19th.

Frequencies should be mostly near predicted monthly
values on most other days.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES week ending 17 Aug

Our information this week came from AA5AU I5FLN DJ3IW
UT5RP GB7DXG and

the OH2AQ DX Summit. Thank you all.

Bandpass

Friday 11

0001-7037
V47/AB2RF

0009-14085 4O3T

0153-14087 V47/AB2RF

0356-21090 8J7JAZZ/7

0537-14084 YU6AO

0657-14081 YU150AU

0704-7033D S0IC

0957-28080 YU6AO

1024-14094 V47/AB2RF

1033-24912 YU6AO

1114-18103 VQ9LA

1135-18100 9M2JKL

1305-18107 HB9TJM

1307-10144 8J7JAZZ/7

1352-14089 V47/AB2RF

1429-18101 EA5FL

1443-10141 JA8NFV

1523-18103 ER3ZZ

1525-14090 5B4AHL

1533-14087 4K5D

1542-14090 5B4AHL

1553-18102 ER3ZZ

1632-14083 TF3GC

1641-24922 SP9FKQ

1649-14087 ER3ZZ

1728-14089 V47/AB2RF

1818-24922 EU7SA

1826-14078 A41NN

1839-24925 F6EPX

1844-24921 IW6ASD

1858-24924 YU6AO

1906-14089 HZ1IK

1907-10140 OM3SEM

1927-14084 PY4BL

1933-14090 LU9ESD

1941-24921 OZ8ABE

1951-24923 SP8AQA

2000-10138 EN50EV

2002-10140 T99D

2005-18112 YU6AO

2006-14086 4O3T

2009-14084 PY4BL

2056-7028
8J7JAZZ/7

2119-14085 9G1UW

2127-18106 F5IHP

2205-14087 KP4FKN

2214-14085 XE3ISS

2251-14084 TF6/IZ6BRN

2307-14090 EA6BH

Saturday 12

0139-14084 UN7DA

0419-3580 RX3AGD

0457-14080 4W6AAB

0521-14080 P29ZAD

0836-18105 4W6AAB

0901-18103 EU7SA

0913-18101 9M2JKL

0939-18108 8J7JAZZ/7

1012-18103 LZ80R

1052-14093 V47/AB2RF

1118-14088 LZ80R

1235-14085 HK3SGP

1258-14086 XE3ISS

1318-14083 HF62PW

1332-18105 YU6AO

1334-14086 YV4BCD

1408-14083 HF62PW

1515-14081 6W1SE

1525-18106 ER3ZZ

1527-18103 9A5LO/P

1539-14093 V47/AB2RF

1540-14085 CX4SS

1544-14085 LX1HD

1553-14086 HS0ZBS

1625-14088 V47/AB2RF

1755-14087 YI1OM

1906-14092 V47/AB2RF

1929-14095 TF3KX

1935-14080 PY7ZZ

1940-14083 6W1SE

2001-14084 YV5NWG

2004-14082 YU6AO

2004-14081 LZ80R

2043-10144 8J7JAZZ/7

2045-14083 IM0MBP

2055-10135 V47/AB2RF

2100-14084 SV1GSV/8

2108-7042 OH4A

2114-14081 KP4AH

2115-14087 YU6AO

2120-14088 IS0QPA

2122-14091 EA8RR

2300-14093 XE2BC

2333-14086 LZ80R

Sunday 13

0000-14083 6Y5WJ

0021-14083 TG9SM

0036-14082 XE1L

0109-7040 KC9GGV

0551-14084 UA0SMF/P

0608-14087 LX1HD

0656-14080 EA1/LW6DX

0700-14083 SV1EQU/8

0715-14087 LZ80R

0719-14083 ES0IC

0902-24929 SP9DYA/8

0914-24923 9A5LO/P

0916-18107 SP9DYA/8

1054-28082 YU6AO

1121-28083 DL5GBP/QRP

1139-14093 V47/AB2RF

1155-24918 YU6AO

1205-24920 YO3BL

1213-14082 OQ0A

1219-24924 YO3FOM

1233-18102 PT7AZ

1247-24924 9A5LO/P

1251-14084 XU7ABN

1252-24925 ER3ZZ

1256-24924 LZ80R

1351-14085 LX1DA

1403-14082 HS0ZBS

1411-14086 UE3YAR/P

1424-18102 EU7SA

1441-14088 V47/AB2RF

1445-28082 YU6AO

1504-28085 SP9AJM

1527-24922 ER3MM

1531-24923 EU7SA

1734-24924 EA2AAZ

1737-14081 6W1SE

1812-18101 SV9CUF

1814-14085 4Z5PN

1815-14080 6W1SE

1817-18110 LU7HF

1820-18105 EA2AAZ

1826-14085 HK3SGP

2026-14080 LZ80R

2116-10144 8J7JAZZ/7

2119-14085 9G1UW

2127-14088 IS0AFM

2143-14087 HR2/LU1DY

2200-14082 YU6AO

2204-14081 SV9CUF

2205-14087 KL7J

2248-14087 6Y5WJ

2303-14084 8S30JC

2317-14087 OX3TG

2334-14086 PZ1BS

Monday 14

0004-14082 YU6AO

0024-14085 HK3SGP

1135-24922 9A4HP

1136-24922 OH5UX

1339-14082 HS0ZBS

1346-14087 PI4APD

1430-14083 TF3GC

1627-18106 YU6AO

1645-14089 HZ1IK

1657-14083 LZ80R

1709-10139 UA3TT

1748-14085 HF62PW

1832-18104 OM5TX

1839-14089 4L9MR

1840-18107 YU6AO

1902-14083 GX3LRS

1907-7033 CT2IOV

1918-14080 6Y5WJ

2009-14088 EC8AUZ

2036-14084 9Z4FZ

2053-14084 UA3DUS

2055-14086 9G1UW

2140-14086 XX9AS

2208-14090 EA8RR

2314-7037Y U6AO

2316-14082 CO2GL

2327-14082 TG9AKH

Tuesday 15

0034-14081 XE2BC

0041-14087 6Y5WJ

0214-14084 ZL3RG

0637-14082 YU6AO

0829-18104 SV1GSV/8

0900-28085 EC3CXS

1020-18101 9M2JKL

1200-14083 XU7ABN

1329-18102 SV3DCX

1505-14082 HZ1IK

1542-14088 MM0BQI/P

1604-14085 HS0ZBS

1742-14085 9M2MT

1758-14083 XU7A

1816-14088 PT7AZ

1846-10139 UA0LH

1913-14085 CE6SAX

1927-14082 YM125ATA

1955-14082 SV1GSV/8

1957-14086 XE2BC

2043-10140 YU6AO

2102-10139 S55VM

2214-1839D L7CM

2220-14084 IK5ORQ

2222-1836 YU6AO

Wednesday 16

0215-14083 UN7PBY

0746-14082 4O3ES

0841-18104 IZ0VBR

0900-14084 9K2YM

1048-14079 4O3ES

1107-28086 YU6AO

1136-18102 RW9CB

1259-18108 8J7JAZZ/7

1323-14081 UN7PBY

1326-14092 VR2XLN

1411-14080 BD3APX

1510-14080 BD7YK

1526-14082 OM50KKF

1550-18104 OM5TX

1631-14085 GI4WXA

1728-14082 SV1GSV/8

1858-10141 SV1GSV/8

1921-18104 IZ0KBR

1923-18104 F5MLJ

1924-14083 EA8OI

1929-18105 IW0DGJ

1932-18105 W2QO

1944-18104 W3PT

1955-14082 ZP6VT

2005-14076 9K2SR

2030-10143 8J7JAZZ/7

2036-14083 4O3ES

2040-14084 OX3DB

2054-14088 IS0AFM

2131-14083 MM0BQI/P

2215-14094 EC8AUZ

2222-14084 EA6BH

Thursday 17

0044-14083 OX3PG

0045-14082 UN7LA

0104-14083 HR2DMR

0150-7040 VQ9LA

0312-7073 HR2DMR

0400-10135 XE1KK

0940-14084 XU7ABN

1003-14084 P29ZAD

1054-14084 BD4SX

1101-14085 CU2AF

1150-14090 8J7JAZZ/7

1315-14087 VR2XMT

1347-14083 HS0ZBS

1423-7037 YU6AO

1522-14085 OH0Z

1613-14080 4O3ES

1656-14084 MW0CRI

1700-10145 RX0AE

1737-14087 4K5D

1755-14081 9K2YM

1801-14086 YT6CR

1816-14084 TF3GC

1853-14080 SX8B

1854-14087 GW0TXS

1855-14084 OX3WS

1910-7042 OH0Z

1915-14083 OH0Z

Notes of interest:

This weekend is the SARTG RTTY DX Contest. Contest
periods are:

0000 - 0800 and 1600 - 2400 on 19 Aug and 0800 - 1600 on
20th Aug.

Exchange is RST + Serial number

Mayotte FH: Aug 31/Sep 11. By DL2RUM and DJ8NK as TX5T
and TX5NK.

QSL to home calls.

Lesotho 7P8: Sep 03/12. By DH3WO DJ2HD DL7JAN, possibly
as 7P8WO

7P8DJ 7P8JF. QSL via DL7JAN

Market Reef OJ0: Sep 08/14. By LA5UKA LA8AJA LA9DFA
LA9VDA LB8IB.

QSL via LA9VDA

The VK2SG RTTY DX NOTES are distributed every week via
the Winlink network

and are also available on the Internet at URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty

and the digital-dx reflector.

To subscribe to the digital-dx reflector send an email
message to

majordomo at mla.nifty.ne.jp as follows:

Subject:(blank) Message Body: subscribe digital-dx

For next weeks bulletin send your bandpass and notes of
interest to

Luciano I5FLN luciano.fusari at alice.it

GL DE GU0SUP

The
Ohio/Penn DX Bulletin No. 771 - excerpts

4O3/YU6, MONTENEGRO

Operators Toma/YU1AB Emin/DK4ES and Branko/YZ1DZ will be
back in Montenegro

again Aug 15-22. They will have a new license and will operate as 4O3AB on

CW SSB RTTY PSK and as 4O3ES on SSB only.

EX15, KYRGYZSTAN (Special Event)

Look for memers of the Amateur Radio Union of Kyrgyzstan to be active as

EX15ID Aug 25/Sep 5 to celebrate the 15th anniversary of Kyrgyzstans

independence. QSL via EX8AB.

IOTA NEWS

EU-129. Members of the South Flanders DX Activity Group will be active as

DL/ON6JUN/p from Usedom Island (O-13 for the German Islands Award) Aug

21-26th. Activity will be on all major HF bands with special attention to

the WARC bands. Operations will be on CW SSB and RTTY. Operators mentioned

are ON4AFU ON4LBV ON8RB ON6UF ON6YN and ON5SD. QSL via ON5SD. Visit their

Web page at http://www.qsl.net/ON6JUN/

J7, DOMINICA

Operators Karl/N1DL and George/W4LFK will be operating from the Commonwealth

of Dominica Sep 21-27. They will operate on all modes with their callsigns

J79DL and J79MD but during the RTTY Contest they will use the special

callsign J7R from IOTA NA-101. QSL to N1DL Karl Geng 285 Grande Way 1803

Naples FL 34110 USA.

TK, CORSICA (Update)

Laurent F1JKJ will be active as TK1KJ Oct 26/Nov 2nd. Activity will be

limited because he is on a family holiday, however, he will be active

mostly during the whole 48 hours of the CQWW DX SSB Contest as Single-Op/

Single-Band possibly 20m Low-Power entry. Outside of the

contest Laurent

will be on the bands he has antennas for on SSB and RTTY.
QSL via F1JKJ.

VK, AUSTRALIA (IOTA/Lighthouse Ops)

Wade/AA8LL and Liz/K8LIZ are planning to be operate
'holiday style' from

the following islands and lighthouses

Sep 1-4th Look for VK7AAH/5 and VK7AED/5 from the Cape du
Couedic

Lighthouse AUS-030 on Kangaroo Island OC-139.

Sep 5-6th Look for VK7AAH and VK7AED from the Cape Bruny
Lighthouse

AUS-254 on South Bruny Island OC-233.

Sep 7-10th Look for VK7AAH and VK7AED from Tasmania
OC-006 main island.

Casual operations will be with 100 watts and wire
antennas on SSB and CW

possibly RTTY on 40-15M IOTA frequencies. QSL direct or
by the Bureau.

VK7AAH via AA8LL and VK7AED via K8LIZ. The address is
correct on QRZ.com

and cards for both may go in the same envelope.

XV, VIETNAM

Operators Higashi/JA1DHY and Eiji/JA1EKK will be active
as XV3DHY and XV3EKK,

respectively Aug 31 to Sept 6th. Their activity will be
on 80-6M CW SSB and

SSTV. QSL is OK via the JARL Bureau or direct to their
home callsigns.

The Society can be contacted in the following ways

To Pat VK2JPA via patleeper at optusnet.com.au or

Col VK2CTD via ctdavies at bigpond.net.au or

you can drop a line to PO Box 93 Toongabbie NSW 2146.

73’s from Pat VK2JPA broadcast Officer

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